

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A receptor chip, on which a recombinantly expressed biotinylated receptor protein is immobilized via a factor capable of specifically binding to biotin, wherein the receptor protein comprises a biotinylation sequence motif, wherein the biotinylation of the receptor protein has been carried out within a bacterial host, and wherein the receptor protein has the ability of being specifically bound by a ligand of the receptor protein.

2. - 14. Cancelled.

15. (Original) A receptor chip according to claim 1, wherein the receptor is selected from the group consisting of scavenger receptors, receptors of the insulin receptor family, receptors of the EGF receptor family, receptors of the PDGF receptor family, receptors of the VEGF receptor family, receptors of the FGF receptor family, growth factor receptors of the NGF receptor family, TGF- $\beta$  super family receptors, Toll-like receptor family, LDL receptor related protein family, and receptors of the G protein coupled receptor family.

16. (Original) A receptor chip according to claim 15, wherein the receptor is a scavenger receptor LOX-1.

17. (Currently Amended) A receptor chip according to claim 1, wherein the biotinylated protein is immobilized to a sensor site of a surface plasmon resonance device, a quartz-crystal microbalance, or a mass spectrophotometer, ~~adapted for detection using surface plasmon resonance, quartz-crystal microbalance, or mass spectrometer.~~

18. - 43. Cancelled.

44. (New) A receptor chip according to claim 17, wherein the chip conforms to a shape of an insertion site of the surface plasmon resonance device.

45. (New) A receptor chip according to claim 17, wherein the biotinylated receptor protein is immobilized on a quartz oscillator.